

1/14

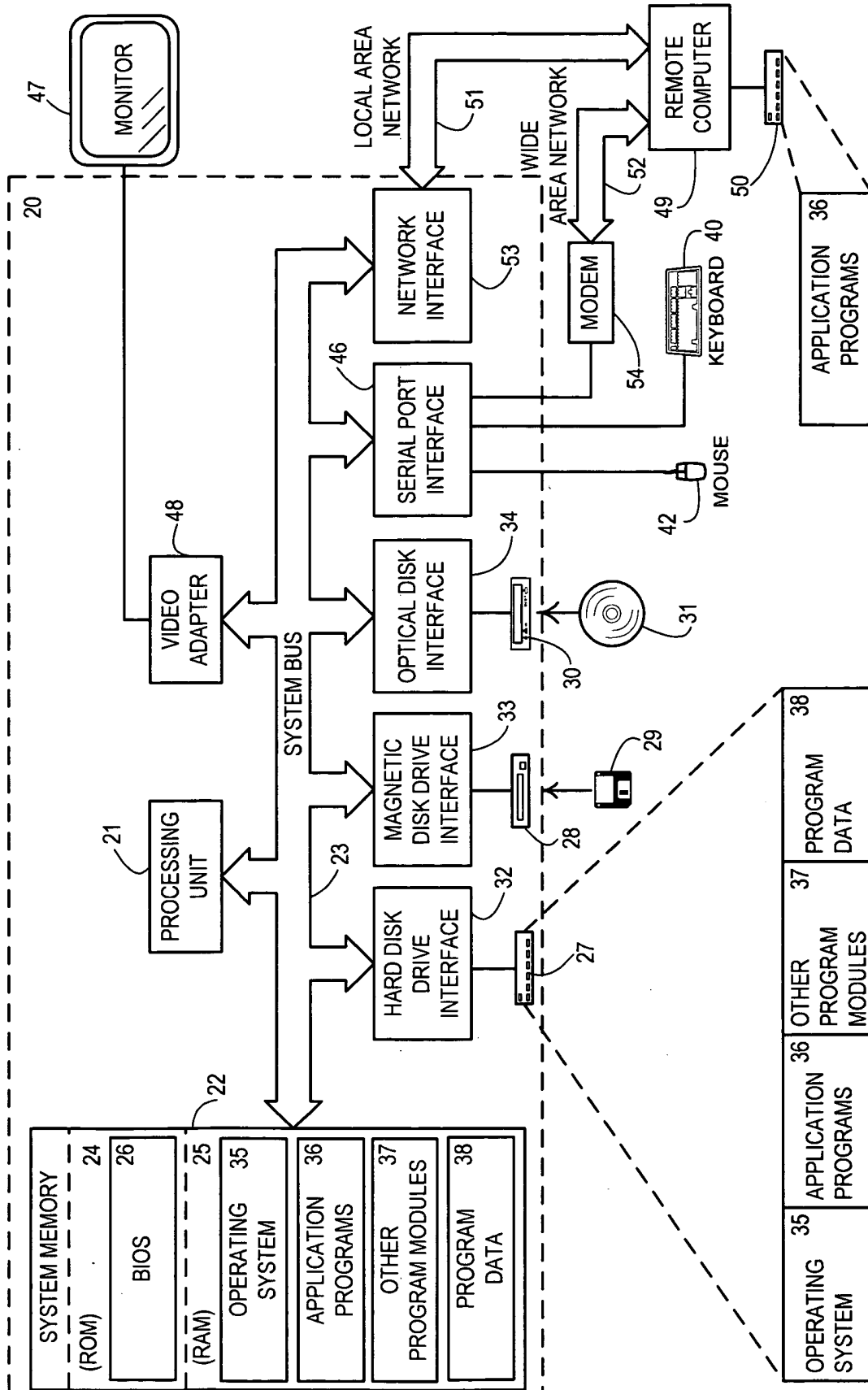


FIG. 1



2/14

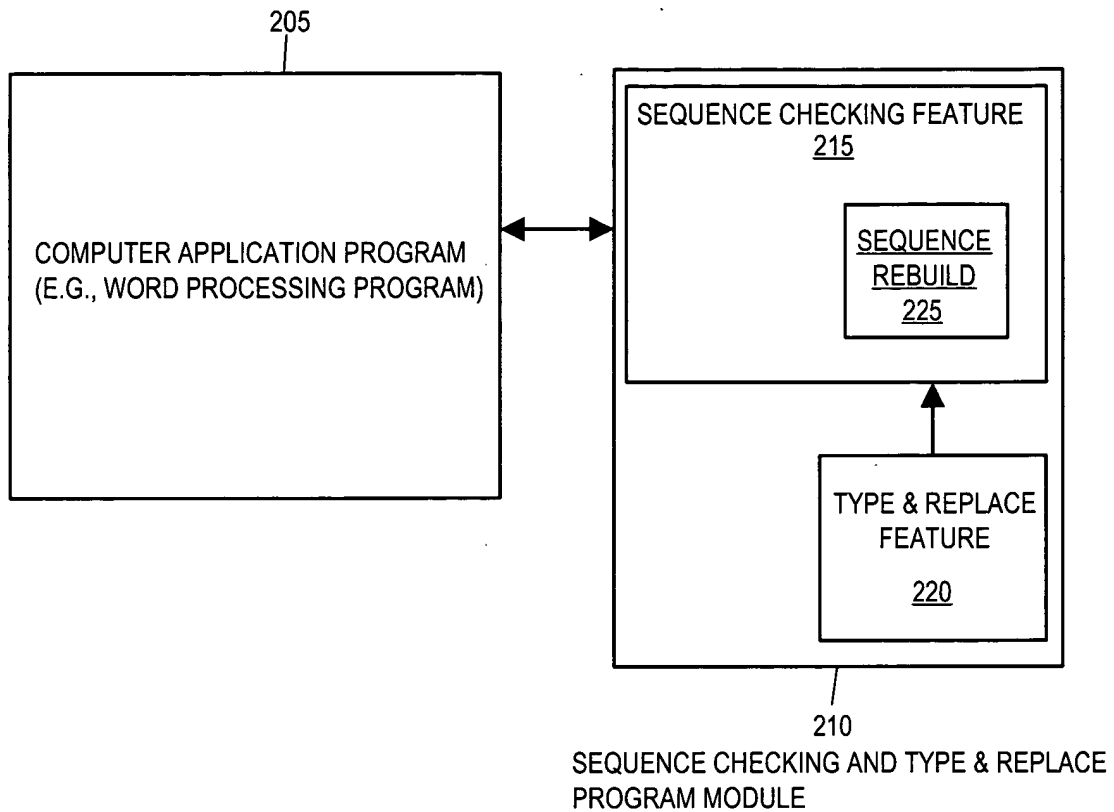


FIG. 2

3/14

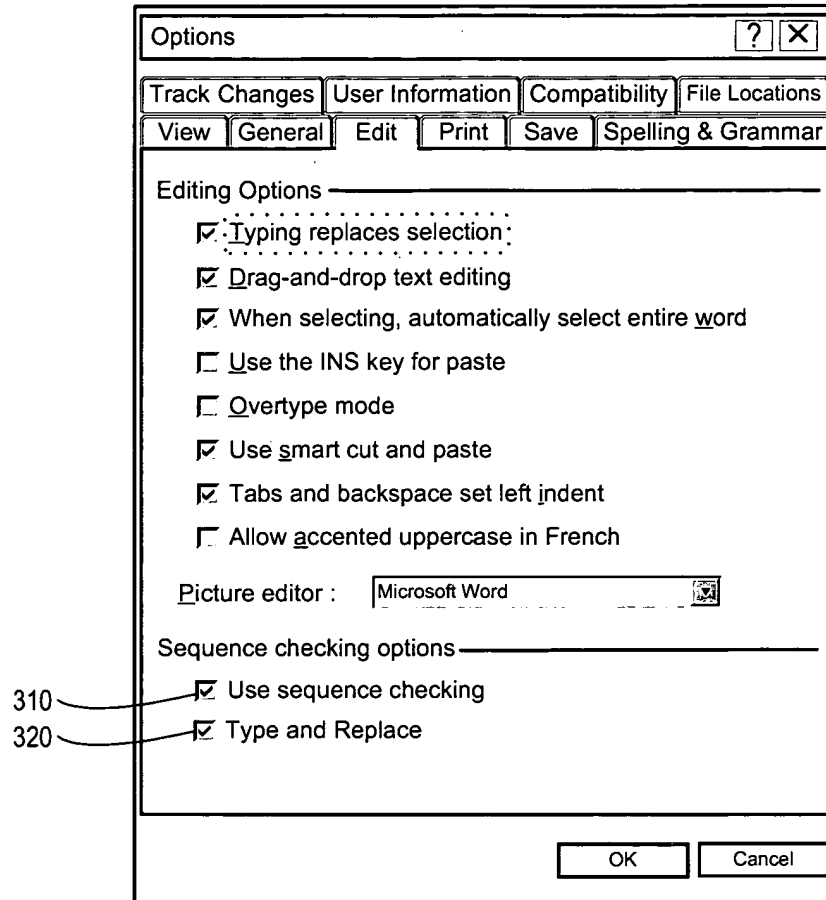
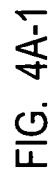


FIG. 3

CHARACTER		0	CTRL	Space	NON1	NON2	LT	LV1	LV2	LV3	LV4	CONS	TONE	AD1	AD2
CONTEXT	STATE														
initial	0	0	4a	3a	2a	*4a	5a	8A	20a	23a	27a	32a			
CTRL	1	0													
NON1	2	0													
Space	3	0				*4a									
N2	4	0													
LT	5	0													
LTFV4	6	0													
LTFV2	7	0													
LV1	8							40aCa23	20r	23r	27r	9a			
LV1C	9	0											19a	37d2a	36a
LV1CAV1	10	0											11a	*48d3a	36r
LV1CAV1T	11	0											11r	*46d4r	36dr
LV1CAV3	12	0											13a	37d3r	36r
LV1CAV3T	13	0											13r	37d4dr	36dr
LV1CFV1	14	0											19r	37d3r	36r
LV1CTFV4	15	0											15r2	37d4dr	36dr
LV1CFV4FV1	16	0											17r2	37d3r	36dr
LV1CTFV4FV1	17	0											17r3	37d5dr	36ddr
LV1CFV4	18	0											15r1	37d3r	36r
LV1CT	19	0											18r	37d3r	36r
LV2	20							8r	20r	23r	27r	21a			
LV2C	21	0											22a	37d2a	38d2a
LV2CT	22	0											22r	37d3r	38d3r
LV3	23							8r	20r		27r	24a			
LV3C	24	0											66a	37d2a	25a
LV3CAD2	25	0											66r	37d3r	
LV3CFV1	26	0											*69r	37d3r	25r
LV4	27							8r	20r	23r		28a			
LV4C	28	0											29a	37d2a	38d2a
LV4CT	29	0											29r	37d3r	38d3r
LV4CTFV1	30	0											30r2	37d4dr	38d4dr
LV4CFV1	31	0											30r1	37d3r	38d3r
C	32	0											60a	37a	38a
CFV1	33	0											61r1	37r	38r
CFV3	34	0											62r1	37r	38r
CFV4	35	0											63r1	37r	38r
LV1CAD2	36	0											*19r	37d3r	
CAD1	37	0											60r		38r
CAD2	38	0											60r	37r	
CAD3	39	0											60r	37r	38r
LV1LV1	40								20dr	23dr	27dr	41a			
LV1LV1C	41	0											67a	37d3d2a	47a
CAD3FV4	42	0											62r2FV3r	37dr	38dr
CAD4	43	0											60r	37r	38r
CAV1	44	0											45a	46a	38r
CAV1T	45	0											45r	46r	38dr
CAV1AD1	46	0											45r		38dr
LV1LV1CAD2	47	0											67r	37d4d3r	
LV1LV1CFV1	48	0											*59r	37d4d3r	47r
CAV2	49	0											50a	37r	38r
CAV2T	50	0											50r	37dr	38dr
CAV3	51	0											52a	37r	38r
CAV3T	52	0											52r	37dr	38dr
CAV4	53	0											54a	37r	38r
CAV4T	54	0											54r	37dr	38dr
CBD	55	0											60r	37r	38r
CBV1	56	0											57a	58a	38r
CBV1T	57	0											57r	58r	38dr
CBV1AD1	58	0											57r		38dr
LV1LV1CTFV1	59	0											59r2	37d5d4dr	47dr
CT	60	0											60r	37r	38r
CTFV1	61	0											61r2	37dr	38dr
CTFV3	62	0											62r2	37dr	38dr
CTFV4	63	0											63r2	37dr	38dr
CBV2	64	0											65a	37r	38r
CBV2T	65	0											65r	37dr	38dr
LV3CT	66	0											66r	37d3r	25r
LV1LV1CT	67	0											67r	37d4d3r	47r
LV1CTFV1	68	0											68r2	37d4dr	36dr
LV3CTFV1	69	0											69r2	37d4dr	25dr
CFV4FV1	70	0											63dr1	37dr	38dr

FIG. 4-1



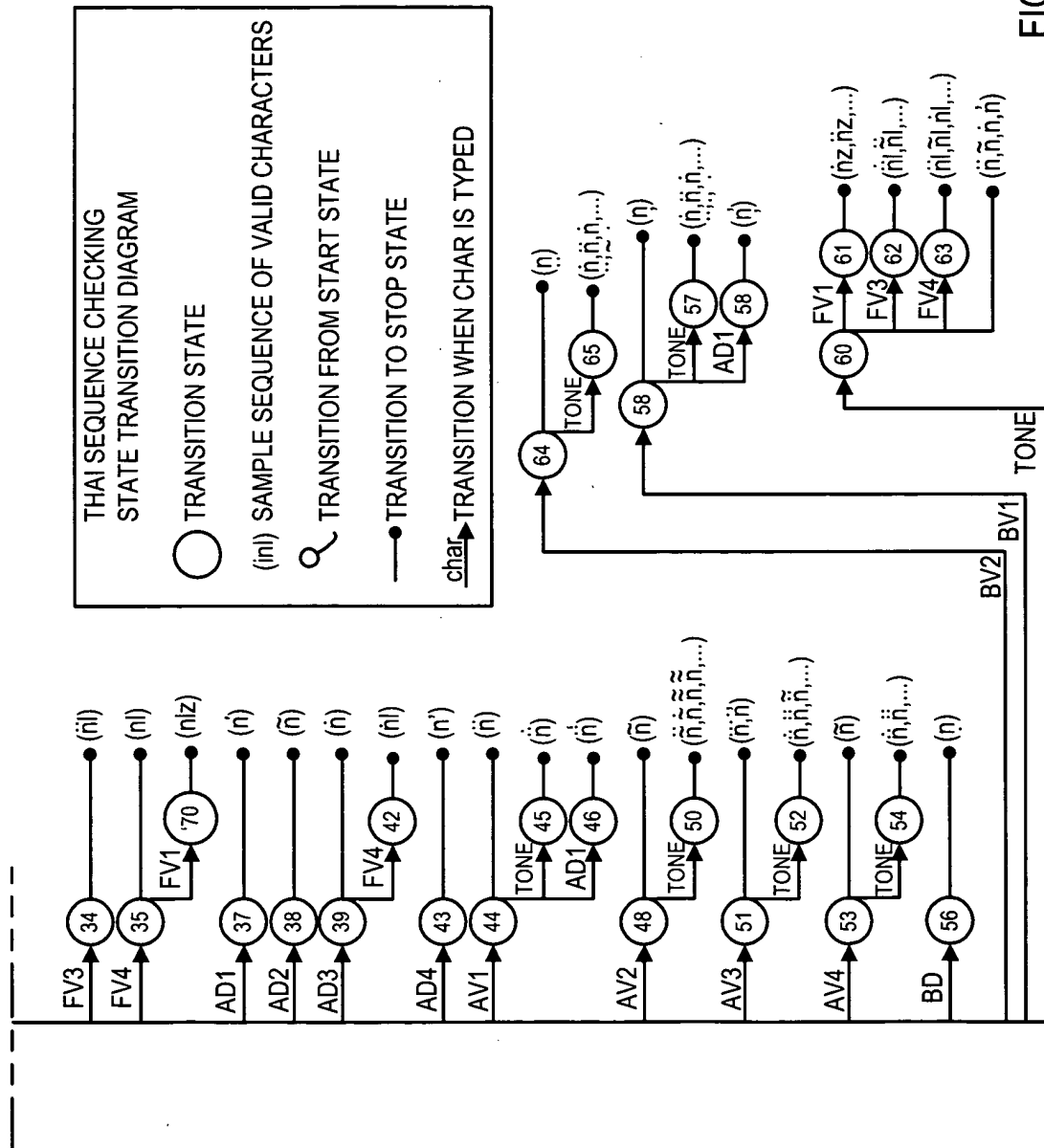


FIG. 4A-2

CHARACTER		{ }	ind_c hars	abbr	delimit	number	ind_vo wel	norm_ conso	ext_ conso	virama nukta	dep_vo wel	vow el _sign	accent	zerow idth chars Zw
CONTEXT	STATE													
initial	0	0	1a	2a	3a	4a	5a	9a	10a					
ic	1	0												
Ab	2	0												
D	3	0												
Nb	4	0												
iv	5	0												
ivAc	6	0												
ivVs	7	0												
ivVsAc	8	0												
Nc	9	10												
NcNa	10	0												
NcNaV	11	12												
NcNaVZc	12	*												
NcNaVZNc	13	10												
NcNaDv	14	0												
NcNaDvAc	15	0												
NcNaDvVs	16	0												
NcNaDvVsAc	17	0												
NcNaVs	18	0												
NcNaVsAc	19	0												
NcNaAc	20	0												

9/14

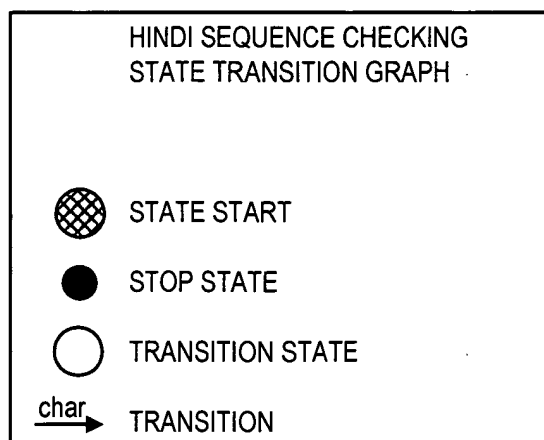
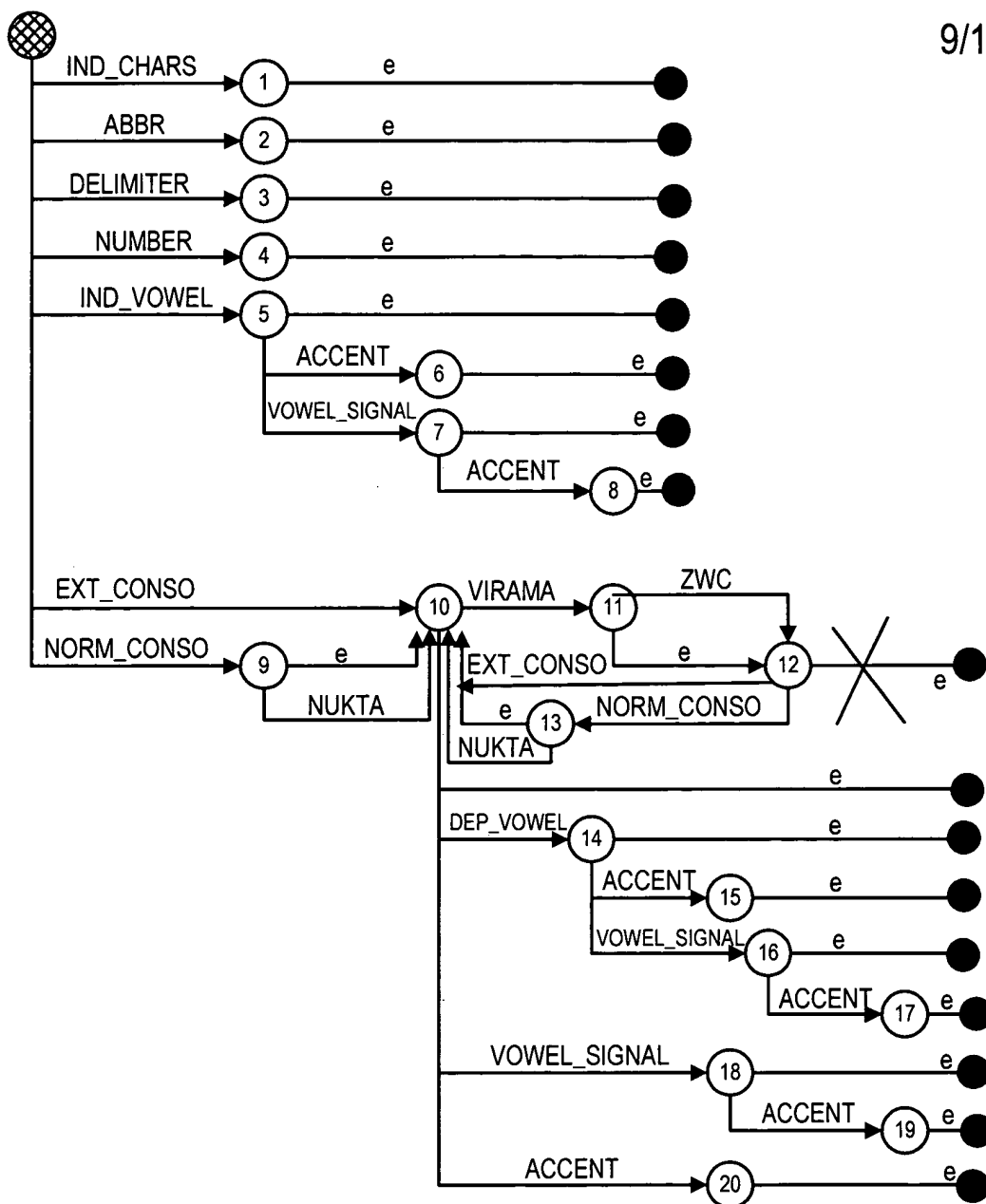


FIG. 5A

10/14

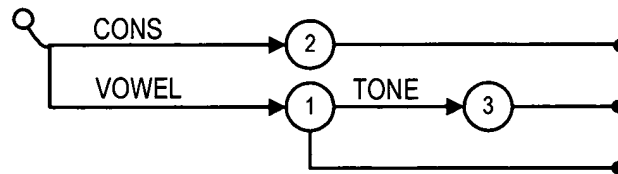


FIG. 6A

CHARACTER		{ }	VOWEL	TONE	CONS
CONTEXT	STATE		V	T	C
initial	0	0	1a		2a
V	1	0		3a	
C	2	0			
VT	3	0		3r	

FIG. 6

11/14

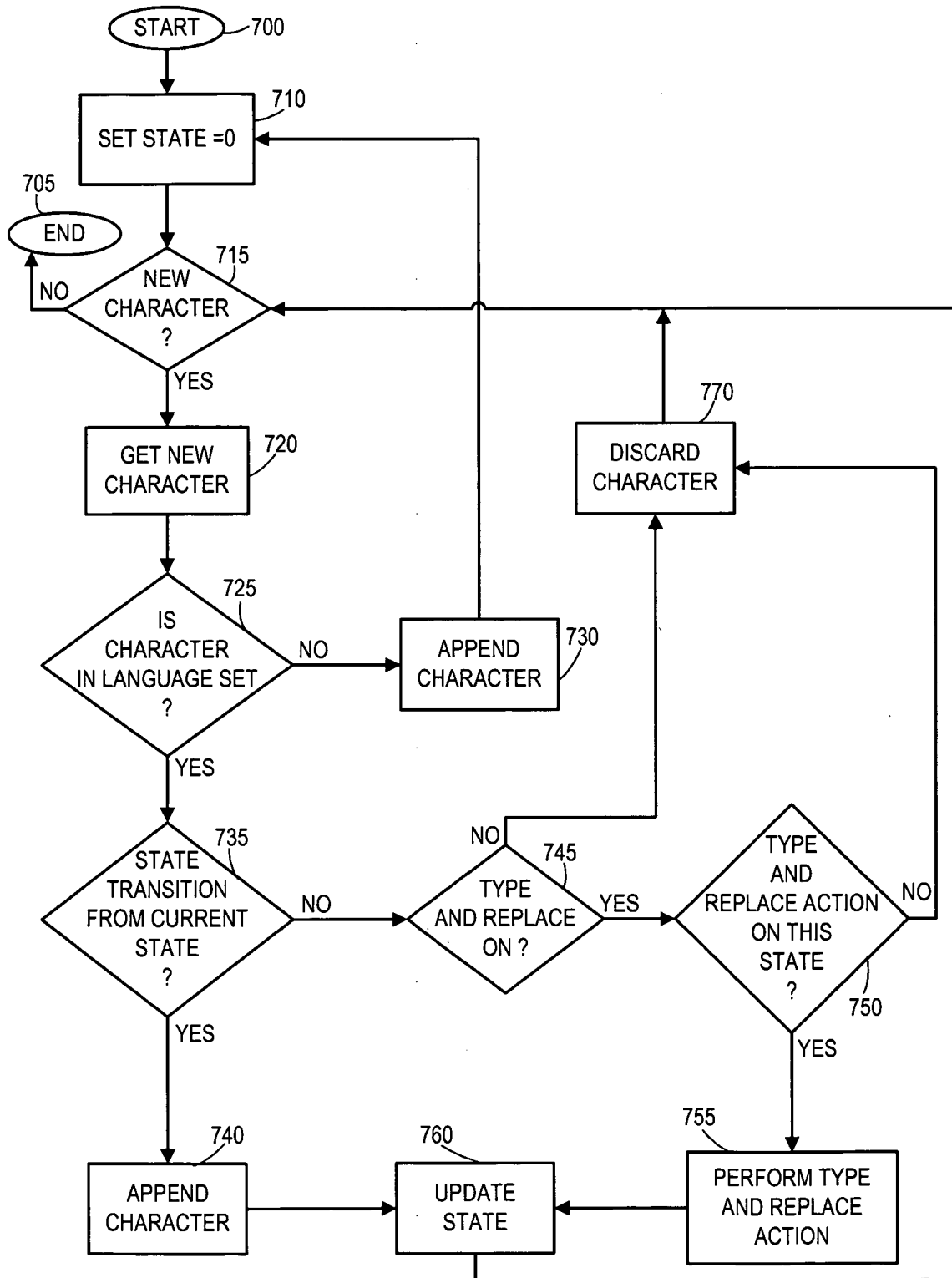


FIG. 7

12/14

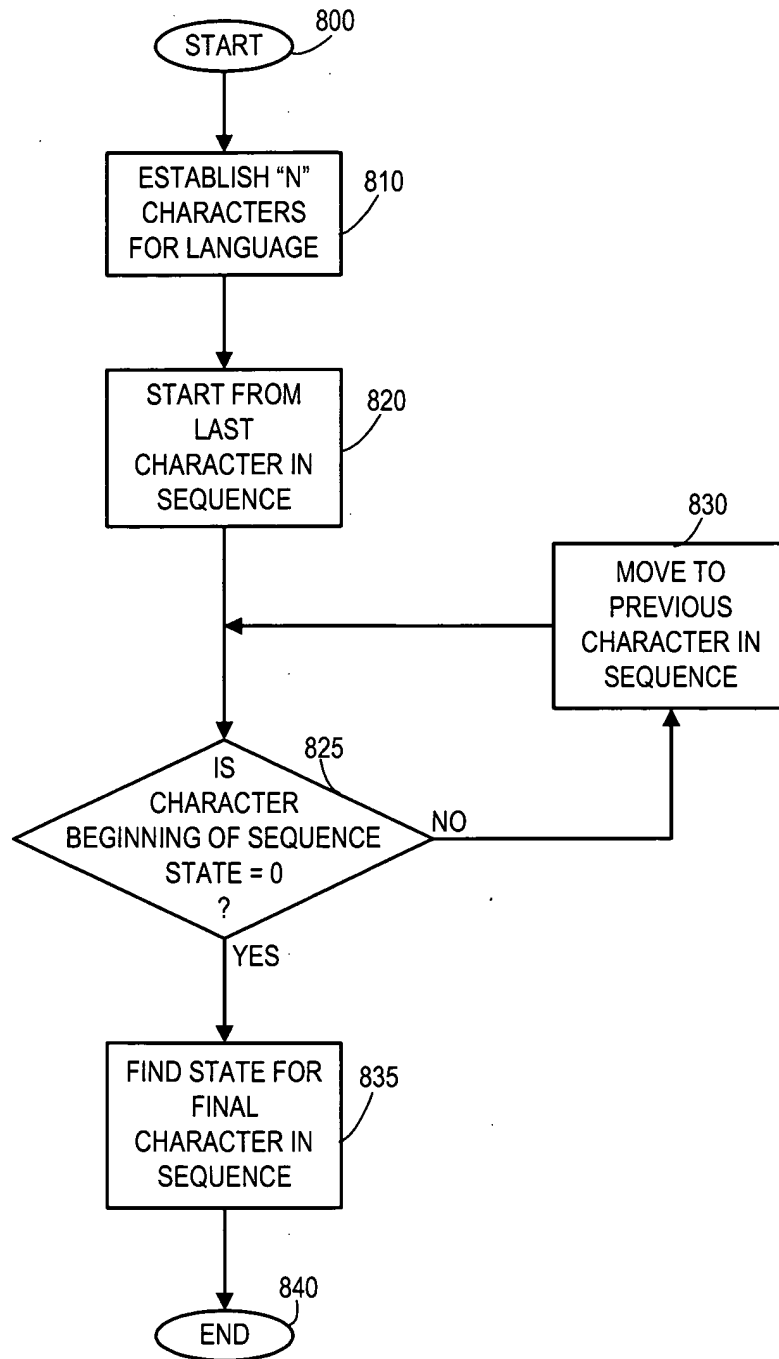


FIG. 8

13/14

SYMBOL	INDEX	ACTION	EXAMPLE
Char a	IP	Append the character char	AB → Ca → ABC
Char I [n]	IP-n where n>0	Insert the character Char at the index location (before the ith character from the right)	ABD → Ci] → ABCD
d [1]	IP-1	Remove the previous character	AB → d → A
dn	IP-n where n>1	Remove the character at the index location	ABC → d2 → AC
Char r[1]	IP-1	Replace the previous character with Char	AC → Br → AB
Char rn	IP-n where n>1	Replace the character Char at the index location with the new character	ADC → Br2 → ABC
Cxy		Contextual information (this does not necessarily generate an action) for a possible character composition by the client application. In the Thai transition table "x" has the following values: "a" for composing the last 2 characters into LV3 (Sara-AE) or "b" for composing the last 2 characters into FV3 (Sara-Am). "y" indicates the number of the next transition state.	ABC → Cx2 → AD (if x composes B and C into D)

FIG. 9

SYMBOL	ACTION	EXAMPLE
FV3r	Substitute the last character with FV3	→ FV3r →

FIG. 9A

14/14

KEYBOARD INPUT	OUTPUT
क	क
्	क्
क	क्क
ी	क्की

FIG. 10

KEYBOARD INPUT	OUTPUT
क	क
्	क्
ी	क्

FIG. 11

KEYBOARD INPUT	OUTPUT
क	क
्	क्
य	क्य
ि	किय
ी	कियं
ो	क्यो

FIG. 12